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T. Frelink, W. Visscher and J.A.R. van Veen, On the role of Ru and Sn as promotors of methanol electro-oxidation over Pt 335 (1995) 353

***Alkenes***

U. Müller, U. Schmiemann, A. Dülberg and H. Baltruschat, Adsorption and hydrogenation of simple alkenes at Pt-group metal electrodes studied by DEMS: influence of the crystal orientation 335 (1995) 333

***Carbon dioxide***

K. Videm, The influence of the state of the surface on the electrochemistry of iron and carbon steel electrodes in aqueous $CO_2$ solutions 335 (1995) 235
Y. Hori, H. Wakebe, T. Tsukamoto and O. Koga, Adsorption of CO accompanied with simultaneous charge transfer on copper single crystal electrodes related with electrochemical reduction of $CO_2$ to hydrocarbons 335 (1995) 258

***Carbon monoxide***

Y. Hori, H. Wakebe, T. Tsukamoto and O. Koga, Adsorption of CO accompanied with simultaneous charge transfer on copper single crystal electrodes related with electrochemical reduction of $CO_2$ to hydrocarbons 335 (1995) 258
I. Villegas, N. Kizhakevariam and M.J. Weaver, Infrared spectroscopy of model electrochemical interfaces in ultrahigh vacuum: some implications for ionic and chemisorbate solvation at electrode surfaces 335 (1995) 300
F. Richarz, B. Wohlmann, U. Vogel, H. Hoffschulz and K. Wandelt, Surface and electrochemical characterization of electrodeposited PtRu alloys 335 (1995) 361

***Carboxylic acid***

P. Baumann, G. Pirug, D. Reuter and H.P. Bonzel, UHV adsorption studies of $K/H_2O$ on Pt(111) and $O/CH_3COOH$ on Cu(110): orientation and intermediates 335 (1995) 186

***Cyanide***

C. Stuhlmann, Characterization of an electrode adlayer by in-situ infrared spectroscopy: cyanide on Pt(111) 335 (1995) 221
K.A. Friedrich, W. Daum, C. Klünker, D. Knabben, U. Stimming and H. Ibach, In-situ spectroscopy of cyanide vibrations on

Pt(111) and Pt(110) electrode surfaces: potential dependencies and the influence of surface disorder 335 (1995) 315

***Halogens***

W. Jaegermann and Th. Mayer, What do we learn from model experiments of semiconductor/electrolyte interfaces in UHV: coadsorption of $Br_2$ with Na and $H_2O$ on $WSe_2(0001)$ 335 (1995) 343

***Hydrogen***

A. Tadjeddine, A. Peremans and P. Guyot-Sionnest, Vibrational spectroscopy of the electrochemical interface by visible-infrared sum-frequency generation 335 (1995) 210

***Pyrazine***

V. Lazarescu, Adsorption of pyrazine on Au(111) and Ag(111): on the role of the electronic factor 335 (1995) 227

***Uracil***

M.H. Hölzle, Th. Wandlowski and D.M. Kolb, Structural transitions in uracil adlayers on gold single crystal electrodes 335 (1995) 281

***Water***

Y.-L. Mathis, K. Murakoshi, F. Bouamrane, P. Roy and A. Tadjeddine, Surface reconstruction of Au(100) electrodes monitored by far infrared spectroscopy 335 (1995) 155

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**PHYSICAL STATE**

**Surfaces**

***Dendritic and/or fractile surfaces***

A.J. Arvia and R.C. Salvarezza, From regular to irregular solid electrode surfaces: a systematic approach to their characterization 335 (1995) 378

***Polycrystalline surfaces***

A. Tadjeddine, A. Peremans and P. Guyot-Sionnest, Vibrational spectroscopy of the electrochemical interface by visible-infrared sum-frequency generation 335 (1995) 210

***Single crystal surfaces***

R. Gómez, H.S. Yee, G.M. Bommarito, J.M. Feliu and H.D. Abruña, Anion effects and the mechanism of Cu UPD on Pt(111): X-ray and electrochemical studies 335 (1995) 101

R.J. Nichols, E. Bunge, H. Meyer and H. Baumgärtel, Classification of growth behaviour for copper on various substrates with in-situ scanning probe microscopy 335 (1995) 110

J. Rappich, M. Aggour, S. Rauscher, H.J. Lewerenz and H. Jungblut, Electrochemical surface conditioning of n-Si(111) 335 (1995) 160

M.P. Soriaga, J.A. Schimpf, A. Carrasquillo, Jr., J.B. Abreu, W. Temesghen, R.J. Barriga, J.-J. Jeng, K. Sashikata and K. Itaya, Electrochemistry of the I-on-Pd single-crystal interface: studies by UHV-EC and in situ STM 335 (1995) 273

*Low index single crystal surfaces*

Y. Shingaya, H. Matsumoto, H. Ogasawara and M. Ito, In situ and ex situ IRAS, LEED and EC-STM studies of underpotentially deposited copper on a Pt(111) electrode in sulfuric acid solution: coadsorption of sulfate ion with copper 335 (1995) 23

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N. Shinotsuka, K. Sashikata and K. Itaya, In situ scanning tunneling microscopy of underpotential deposition of Ag on $Pt(111)(\sqrt{7} \times \sqrt{7})R19.1°$–I 335 (1995) 75

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M.L. Foresti, G. Aloisi, M. Innocenti, H. Kobayashi and R. Guidelli, Crystal face effects on adsorption of ionic and non-ionic species on Ag electrodes: an electrochemical and STM study 335 (1995) 241

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W.J. Lorenz and G. Staikov, 2D and 3D thin film formation and growth mechanisms in metal electrocrystallization – an atomistic view by in situ STM 335 (1995) 32
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G.A. Somorjai, Molecular level studies of solid–gas and solid-liquid interfaces 335 (1995) 10

***Solid–liquid interfaces***

G.A. Somorjai, Molecular level studies of solid–gas and solid-liquid interfaces 335 (1995) 10
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G.A. Attard, R. Price and A. Al-Akl, Electrochemical and ultrahigh vacuum characterisation of rhodium on Pt(111): a temperature dependent growth mode 335 (1995) 52
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***Superlattices***

W.J. Lorenz and G. Staikov, 2D and 3D thin film formation and growth mechanisms in metal electrocrystallization – an atomistic view by in situ STM 335 (1995) 32

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***Polycrystalline thin films***

M. Šmith, V. Gotovac, Lj. Aljinović and M. Lučić-Lavčević, An investigation of the electrochemical and photoelectrochemical properties of the cuprous oxide/liquid phase boundary 335 (1995) 171

**Adatoms**

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**Clusters**

W.J. Lorenz and G. Staikov, 2D and 3D thin film formation and growth mechanisms in metal electrocrystallization – an atomistic view by in situ STM 335 (1995) 32

**Coatings**

W.J. Lorenz and G. Staikov, 2D and 3D thin film formation and growth mechanisms in metal electrocrystallization – an atomistic view by in situ STM 335 (1995) 32

**ELECTRICAL AND MAGNETIC BEHAVIOR**

**Surfaces and/or films**

***Metallic films***

P. Mrozek, Y.-E. Sung and A. Wieckowski, Silver deposition on the Au(111) electrode without interference by specifically adsorbed anions 335 (1995) 44

***Semiconducting films***

M. Šmith, V. Gotovac, Lj. Aljinović and M. Lučić-Lavčević, An investigation of the electrochemical and photoelectrochemical properties of the cuprous oxide/liquid phase boundary 335 (1995) 171

**Interfaces**

***Metal–electrolyte interfaces***

Y. Shingaya, H. Matsumoto, H. Ogasawara and M. Ito, In situ and ex situ IRAS, LEED and EC-STM studies of underpotentially deposited copper on a Pt(111) electrode in sulfuric acid solution: coadsorption of sulfate ion with copper 335 (1995) 23
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***Metal–metal interfaces***

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***Metal / water***

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J. Mink, J. Kristóf, A. De Battisti, S. Daolio and Cs. Németh, Investigation on the formation of $RuO_2$-based mixed oxide coatings by spectroscopic methods 335 (1995) 252

***Metal–metal nonmagnetic heterostructures***

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***Metal–metal nonmagnetic thin film structures***

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***Mixed oxide***

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